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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/645,866 | 08/20/2003 | Arto Suomi | 915-007.44 | 7674 |

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|---------------|--------------|
| EXAMINER | |
| NGUYEN, HUY D | |
| ART UNIT | PAPER NUMBER |
| 2617 | |

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS | 03/22/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/645,866

Applicant(s)

SUOMI, ARTO

Examiner

Huy D. Nguyen

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 4-16 is/are rejected.
- 7) ☒ Claim(s) 3 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 12/16/2006 have been fully considered but they are not persuasive.

The applicant submitted that Sim reference does not disclose or suggest providing an indication of a cause of failure for a connection to a mobile communication network. The examiner responds that the preceding limitation is taught by the combination of Chuah in view of Sim. The examiner directs the applicant to paragraph 0222 of Chuah reference where Chuah teaches the request for connecting to the mobile network from the mobile terminals. The examiner directs the applicant to paragraph 0033 of Sim reference where Sim teaches a network that has a plurality of portable modules which can communicate with a manager wirelessly and the manager is adapted to transmit an explanatory message to the portable module which has been denied access to the network to explain the reason why access has been denied.

The applicant submitted that Sim is not an analogous prior art. The examiner responds that both Chuah and Sim are in the field of wireless communications.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an

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international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-2, 7-8, 11-12, 14-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Chuah (US 2003/0214928 A1).

Regarding claims 1, 7-8, 11-12, 14-15, Chuah teaches a method for supporting a data exchange between terminal equipment and a mobile communication network via a mobile terminal, said terminal equipment and said mobile terminal being separate entities, said method comprising at said mobile terminal: receiving from said terminal equipment a request to establish a connection to said mobile communication network for exchanging data (e.g., connection request - see paragraph [0222]); forwarding said request to said mobile communication network (see paragraph [0222]); and in case a failure occurs concerning said requested connection and an indication of a cause of said failure is received from said mobile communication network, forwarding said indication to said terminal equipment (e.g. connection denied - - see paragraph [0222]).

Regarding claim 2, Chuah teaches the method according to claim 1, wherein said failure is a failure resulting in a rejection of said request to said mobile communication network to establish a connection, said indication being an indication of a cause of said rejection (see paragraph [0222]).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chuah in view of Rao et al. (US 2004/0076128 A1).

Regarding claims 4 and 9, Chuah teaches the claimed invention except presenting information to user of terminal equipment. However, the preceding limitation is taught in Rao et al. (see paragraphs [0027], [0031]). It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Rao et al. to the teaching of Chuah to provide convenience to users.

6. Claims 5, 10, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chuah.

Regarding claims 5, 10, and 16, Chuah teaches the claimed invention except the step of storing the indication for further use. The examiner takes official notice that saving/storing information in mobile equipment for later use has been well known in the art. Thus it would have been obvious to one having ordinary skill in the art at the time the invention was made to store the indication for further use as is well known in the art.

7. Claims 6 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chuah in view of Chou (U.S. Patent No. 5,850,526).

Regarding claim 6, Chuah teaches the claimed invention except the use of the data field of a link control packet. However, the preceding limitation is taught in Chou (see column 7, lines

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11-15). It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Chou to the teaching of Chuah to save and to use resources efficiently.

Claim 13 is the combination of claims 1 and 6. Thus, claim 13 is rejected with the same reason set forth in claims 1 and 6.

Allowable Subject Matter

8. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion


9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huy D. Nguyen whose telephone number is 571-272-7845. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Huy D Nguyen
Patent Examiner
Art Unit 2617


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER